AMENDMENTS TO THE CLAIMS

1.-5. (Cancelled)

6. (New) A method for controlling a crane, comprising:

providing a plurality of velocity requests as control sequences from a crane control system to crane drives at first time intervals;

storing the velocity requests in a control system;

comparing each of the plurality of velocity requests with a previous velocity request to determine a velocity change;

forming an acceleration sequence for each corresponding velocity change;

storing each acceleration sequence as a stored acceleration sequence;

summing the velocity changes defined by the stored acceleration sequences over a second time interval to form an obtained sum, the second time interval being several multiples of the first time interval;

adding the obtained sum to the previous velocity request to achieve a new control for the crane drives; and

performing some of the summed velocity changes immediately and performing the rest of the velocity changes at a delayed time over the second interval.

- 7. (New) The method of controlling a crane according to claim 6, wherein the second time interval is 20 times the first time interval.
- 8. (New) The method of controlling a crane according to claim 6, wherein a ratio of the second time period to the first time period is variable.
- 9. (New) The method of controlling a crane according to claim 6, wherein the acceleration sequences are stored in a two part table, wherein the velocity change is stored in the first part, and the delay is stored in the second element.

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10. (New) The method of controlling a crane according to claim 6, wherein a velocity change is restricted in size so that the sum of the velocity change and the previous velocity request does not exceed a predetermined maximum acceleration